AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings of claims in the application.

1. (Currently Amended) A method for purifying teicoplanin A_2 comprising:

(i) purifying a filtrate of a fermentation broth comprising teicoplanin A_2 on a synthetic adsorbent, to obtain a primary ~~pre-purification~~ purification solution;

(ii) purifying the primary ~~pre-purification~~ purification solution on a cation exchange resin having a cross-linkage of over 8%[[,]]; ~~a catalytic resin,~~ a resin selected from the group consisting of acidic porous resins comprising a styrene polymer matrix, and acidic cation exchange resins comprising a porous styrene polymer matrix, and gel-type acidic polymer resins; or a chelate resin, to create a secondary ~~pre-purification~~ purification solution;

(iii)purifying the secondary ~~pre-purification~~ purification solution on a reversed phase resin, to create a tertiary ~~purified~~ teicoplanin A_2 purification solution; and

(iv)drying the ~~purified~~ tertiary teicoplanin A_2 purification solution to form a powder.

2. (Previously Presented) The method according to claim 1, wherein the synthetic adsorbent is chosen from porous styrene synthetic adsorbents, porous styrene synthetic adsorbents having bromine chemically substituted, porous styrene/divinyl polymers, macroreticularly cross-linked polymer, macroreticularly cross-linked aliphatic polymer, macroreticularly cross-linked aromatic polymer, methacrylic synthetic adsorbents, and carbonaceous synthetic adsorbents comprising a styrene/divinyl benzene ion exchange resin.

3. (Canceled)

4. (Previously Presented) The method according to claim 1, wherein the synthetic adsorbent is eluted with purified water containing acetone in a concentration of 50 to 80%.

5. (Canceled)

6. (Canceled)

7. (Currently Amended) The method according to claim 1, wherein the resin used in the secondary ~~pre-purification~~ purification is regenerated by sequentially washing [[it]] the resin with sodium hydroxide and a weak acid solution then, purified water so that the final eluate of purified water has a pH in the range of 4.5 to 7.0.

8. (Currently Amended) The method according to claim 1, wherein the eluent used in the secondary ~~pre-purification~~ purification is purified water having a pH in the range of 10 to 13.

9. (Previously Presented) The method according to claim 1, wherein the reversed phase resin comprises a silica containing non-polar side chain having 1 to 18 carbons and having a particle size of 15 to 150 μm.

10. (Canceled)

11. (Currently Amended) The method according to claim 1, wherein the eluent used in the ~~final~~ tertiary purification step is purified water containing acetone or acetonitrile in a concentration of 20 to 30%.

12. (Previously Presented) The method according to claim 7, wherein the weak acid solution comprises acetic acid or diluted hydrochloric acid.